

5 The data storage 12 includes data files 20 and tool resource files 22. Generally described, the data files 20 include the source files 24, 26 that are processed by the translation toll 14 to generate translation files 28, 30. The toll resource files 22 include files used by the translation tool in processing the data files 20 that may be built into the tool 14 or separately loaded when needed.

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IN THE CLAIMS

Please amend claim 1 as follows:

Sub E1 15 1. (Amended) A translation system for translating a source assembly language program for a source device into a translation assembly language program for a target device, the system comprising:

a front end for identifying source elements in the source program; and
a back end for generating the translation program having translation elements
20 corresponding to translation of the identified source elements, the backend including a graphic user interface, the graphic user interface displaying the identified source elements aligned with the corresponding translation elements, the back end including a display processor having an input unit, the input unit permitting a user to modify the translation elements based on comparison with the aligned source elements.

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Please amend claim 10 as follows:

103 10. (Amended) The system as recited in claim 1 wherein the graphic user interface is a display processor.

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Please amend claim 14 as follows:

Sub E4 14. (Amended) A method for performing translation of an assembly language source program into an assembly language translation program, the method comprising:
35 receiving the source program;
identifying source elements in the source program;

5 generating the translation program having translation elements by performing a context-dependent translation of the source elements;

displaying the translation elements in a graphic user interface for receiving user inputs, the graphic user interface aligning the source element and the translation element, the aligned elements permitting a comparison of related source elements and translation elements; and

10 in response to user inputs, automatically regenerating selected translation elements based on the comparison.

Please amend claim 27 as follows:

27. (Amended) A translation system for translating a source program into a translation program, the system comprising:

a computer capable of executing a program,

an interactive program for translating code for a first processor into code for a second processor and capable of being executed on said computer, and

20 a graphics interface system displaying source program elements proximate corresponding translation program elements, the graphics interface system permitting the comparison of corresponding source program elements and translation program elements, the graphic interface unit having a user input device, the user input permitting correction of the translation program elements by a user based on the comparison.

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